

ERCAN KAHYA

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EDUCATION

- 1989 - 1993 **Ph. D.**
Department of Civil Engineering
University of California, Los Angeles (UCLA), USA

Major Field: Water Resources Engineering
Minor Field: Atmospheric Sciences
- 1988 - 1989 Department of Civil Engineering
Columbia University (CU), New York, USA
Water Resources Engineering
Graduate Study (Ph. D.)
- 1986 - 1987 **M. Sc.**
Department of Civil Engineering
Polytechnic University (PU), New York, USA

Water Resources Engineering
- 1985 - 1985 **English Language Education**
June - Dec. ELS Language Center
Oklahoma City University (OCU), Oklahoma City, USA
- 1985 - 1985 Foreign Language Center
Jan. - May Middle East Technical University (METU), Ankara, Turkey
- 1984 - 1984 Department of Civil Engineering
Sep. - Dec. Bosphorus University (BU), Istanbul, Turkey
Prior to graduate study programme for M.Sc. degree
- 1980 - 1984 **B. Sc.**
Department of Civil Engineering
Istanbul Technical University (ITU), Istanbul, Turkey

EXECUTIVE EXPERIENCE

- 2012 - **İTÜ-North Cyprus Campus Chancellor**
Gazimağusa & Yenierenköy Campuses, North Cyprus
- 2012 - **İTÜ University Executive Board and Senate Member**
Istanbul Technical University, Istanbul
- 2012- **Hydraulics and Water Res. Eng. Program Council Member**
Istanbul Technical University, Istanbul
- 2014 - 2015 **İTÜ Head of Hydraulic Division**
Istanbul Technical University, Istanbul

- 2009 - 2010 **İTÜ UAE Relation Coordinator**
- 2002 - 2006 **Member of Executive Board**, Coastal Sciences and Engineering Graduate Program at ITU
Istanbul Technical University, Istanbul
- 2002 - 2004 **Vice Dean**, Institute of Science and Technology
Istanbul Technical University, Istanbul
- (Responsible for the largest graduate student enrolments in Europe, more than 6,000)
- 2002 - 2004 **Member of Executive Board**, Institute of Science and Technology
Istanbul Technical University, Istanbul
- 2001 - 2003 **Member of Executive Board**, EURASIA Institute of Earth Sciences
Istanbul Technical University, Istanbul
- 1996 - 1999 **Head of Hydraulic Division**, Civil Engineering Department
Selçuk University, Konya
- 1996 - 1999 **Member of Executive Board**, Civil Engineering Department
Selçuk University, Konya
- 1995 - 2000 **Chief of Hydraulic Laboratory**, Civil Engineering Department
Selçuk University, Konya

ACADEMIC EXPERIENCE

- 2009 - present **Professor**, Department of Civil Engineering
Istanbul Technical University (ITU), Istanbul
- 2008 - present **Visiting Prof.**, Department of Civil Engineering
American University of Sharjah (AUS), UAE
- (Teaching undergraduate level courses; Undertaking various water resources and hydro-meteorological researches; Presenting papers in international and national conferences; Participating in various academic commissions; etc.)
- 2006 - 2008 **Assoc. Prof.**, Department of Civil Engineering
Istanbul Technical University (ITU), Istanbul
- (Teaching undergraduate and graduate level courses; Supervising M.S. and Ph.D. students; Undertaking various water resources and hydro-meteorological researches; Presenting papers in international and national conferences; Participating in various academic commissions; etc.)
- 2004 - 2006 **Visiting Assoc. Prof.**, Department of Civil Engineering
American University in Dubai (AUD), UAE
- (Teaching undergraduate level courses; Conducting research activities. Participating in various academic commissions; etc.)
- 2001 - 2004 **Assoc. Prof.**, Department of Civil Engineering
Istanbul Technical University (ITU), Istanbul
- (Same as above)
- 1998 - 2000 **Assoc. Prof.**, Department of Civil Engineering
Selçuk University (SU), Konya
- (Same as above)

1994 - 1998 **Assist. Prof.**, Department of Civil Engineering
Selçuk University (SU), Konya

(Same as above)

1993 - 1994 **Water Resources Specialist**
State Water Works (DSİ), Ankara, Turkey

(Responsible for an irrigation project in Southern Anatolia Project (GAP); Establishing stochastic models for the reliability of active reservoir volumes; Performing various hydrologic works such as spillways-gates-outlet works, pressure conduits, water supply systems, flood damage mitigation, and planning for water resources development.)

1993 - 1993 **Post-doc**,
University of California, Los Angeles (UCLA), USA

(Performing a research regarding U.S. streamflow and La Nina events and preparing all relevant research works to be published in WRR journal; Investigating hydroelectric power and groundwater problems existed in Los Angeles.)

1990 - 1992 **Research Assistant**,
University of California, Los Angeles (UCLA), USA

(Studying U.S. streamflow patterns in association with ENSO episodes; Applying various methodologies such as harmonic analysis, composite analysis, statistical models based on some theoretical PDF; Writing proposal and final reports; Presenting papers in conferences.)

1986 - 1987 **Laboratory Assistant**,
Polytechnic University (PU), New York, USA

(Conducting undergraduate-level experiments in the hydraulic lab.)

CONSULTANCY EXPERIENCE

2004 - 2006 **Consultant**
Metropol Gulf Landscaping & Construction L.L.C., Dubai/UAE

(Preparing joint venture agreements; Presenting company profiles to new customers; Participating various business meeting; Evaluating project bids, Organizing work force, etc.)

RANK & SCHOLARSHIP & AWARD

1984 Ranked 5th among 300 graduates at ITU
1985 - 1991 Ranked 2nd nationwide to deserve government scholarship of postgraduate study in US
1987 Tuition remission by Polytechnic University
1992 Conference travel award by UCLA
1992 Tuition Fellowship by UCLA

MEMBERSHIP

Turkish Society of Civil Engineering, Istanbul, Turkey
International Association of Hydrological Sciences, UK
Turkish National Hydrology Commission, Ankara, Turkey
Turkish Association of Preventing Traffic Accidents, Konya, Turkey (1999-2001)
Turkish Business Council, Dubai, UAE (2004-2005)
American Geophysical Union (AGU), USA
European Geophysical Union (EGU), France
International Association of Hydrological Sciences (IAHS), UK
European Water Resources Association (EWRA)
Joint Specialist Group (JSG) on Marine Outfalls & Coastal Environment, Istanbul
UNCCD (United Nation Convention to Combat Desertification) Member of "Expert List"

RESEARCH STUDY AND INTEREST

SURFACE WATER HYDROLOGY; HYDROCLIMATOLOGY; HYDRAULICS; WATER RESOURCES;
COASTAL ENGINEERING; ENVIRONMENTAL ENGINEERING

- * Climatological and Hydrological Variability
- * Hydrologic Time Series Analysis; Stochastic Modeling
- * Flood Hazard Modeling
- * Hydrological Modeling coupled with GCMs
- * Coastal Zone Management
- * Climate Change and Drought

FACULTY/DEPARTMENT COMMITTEE MEMBERSHIP

- 1) Library Committee; School of Engineering and Architecture, SU (1995-1997)
- 2) Organizing Courses in Foreign Language Committee; School of Eng. and Architecture, SU (1995-1997)
- 3) Doctorate Thesis Supervision Committee; Graduate School, SU (1995-1997)
- 4) Doctorate Qualifying Committee of Hydraulics and Water Resources Division; ITU (2004)
- 5) Examination Committee; Coastal Sciences and Engineering Program, Graduate School, ITU (2004-2006)
- 6) Library Committee; School of Engineering, American University in Dubai; AUD (2005-2006)
- 7) *Individual Task*: Faculty Advisor, American University in Dubai; AUD (2005-2006)
- 8) TSE (Turkish Standard Institution) and ISO Standards Committee; Civil Eng. Faculty, ITU (2007-2008)

FACULTY/DEPARTMENT COMMITTEE MEMBERSHIP AT AUS

- ✦ Curriculum Committee [2008-2010]
- ✦ Outreach, Alumni & Graduate Students Recruitment Committee [2008-2010]
- ✦ Faculty Search Committee (AUS) [2008-2010]
- ✦ Graduate Program Admission Committee [2008-2010]
- ✦ *Individual Task*: Design Project Coordinator [2008-2010]
- ✦ *Individual Task*: Extra-curriculum Activities Coordinator [2008-2010]

SCIENTIFIC MEETING ORGANIZATION AND SCIENTIFIC COMMITTEE MEMBERSHIP

- 1) **Panel Organization and Speaker**: Topic: “*Trans-boundary Rivers/Climate Change/El Nino*”; Speakers: Prof. Zekai Şen, Dr. Mikdat Kadioğlu, Dr. Ercan Kahya; Date: *08 September 1998*; Place: Selcuk University/Konya, Turkey.
- 2) **Seminar Organization**: Topic: “Prediction of Streamflow and Precipitation based on Large-Scale Atmospheric Circulation”; Speaker: Prof. John A. Dracup (UC Berkeley); Date: *28 Mart 2001*, Place: Istanbul Technical University/Istanbul, Turkey.
- 3) **Panel Organization and Speaker**: Topic: “Restructuring Graduate Education”; Speakers: Prof. Mehmet Karaca, Prof. Nüşet Dalfes and Assoc. Prof. Ercan Kahya; Date: *10 Nisan 2002*; Place: Dumlupınar University/Kütahya, Turkey.
- 4) **Scientific Committee Membership**: Title of Meeting: “*II. National Water Engineering Symposium*”; Date: *21-24 September 2005*; Place: Gümüşdör/İzmir, Turkey.
- 5) **Seminar Organization**: Topic: “Chemically reactive, degrading mass transfer in an aquifer: 2 Dimensional numerical simulation with the ADI scheme”; Speaker: Dr. A. Osman Beg (Professor of Fire Dynamics Leeds College of Building); Date: *19 April 2006*; Place: American University in Dubai/Dubai, UAE.
- 6) **Scientific Committee Membership**: Title of Meeting: “*I. Turkey Climate Change Congress TIKDEK’2007*”; Date: *11-13 April 2007*; Place: Istanbul Technical University/Istanbul, Turkey.
- 7) **Scientific Committee Membership**: Title of Meeting: “*III. National Water Engineering Symposium*”; Date: *10-14 September 2007*; Place: Gümüşdör/İzmir, Turkey.
- 8) **Organization & Scientific Committee Membership and Speaker**: Title of Meeting: “*Global Climate Change and Its Environmental Impacts: Regional and Local Dimensions*”; Date: *18-20 October 2007*; Place: Konya, Turkey.

- 9) **Scientific Committee Membership:** Title of Meeting: “*Forest and Environmental Problems in the Context of Global Climate Change and Water Symposium*”; Date: 29-30 November 2007; Place: Istanbul University/Istanbul, Turkey.
- 10) **Scientific Committee Membership:** Title of Meeting: “*MWWD 2008–5th International Conference on Marine Waste Water Discharges and Coastal Environment*”; Date: 18-20 October 2008; Place: Dubrovnik, Croatia.
- 11) **Organizing & Scientific Committee Membership:** Title of Meeting: “*Climate Extremes during Recent Millennia and their Impact on Mediterranean Societies*”; Date: 14-16 September 2008; Place: National and Kapodistrian University of Athens/Athens, Greece (together with Drs: Henry Diaz; Ray Bradley; Ricardo Garcia; Phil Jones; Elena Xoplaki; Malcom Huges; Ricardo Garcia-Herrera and Juerg Luterbacher).
- 12) **Scientific Committee Membership:** Title of Meeting: “*IV. National Water Engineering Symposium*”; Date: 6-10 July 2009; Place: Orhantepe, Istanbul, Turkey.
- 13) **Scientific Committee Membership:** Title of Meeting: “*ESF-MedCLIVAR Workshop: Hydrological, socioeconomic and ecological impacts of the North Atlantic Oscillation in the Mediterranean region*”; Date: 24-27 May 2010; Place: Zaragoza, Spain.

OTHER ACADEMIC/EXECUTIVE/SOCIAL ACTIVITIES

- 1) Juror, M. Sc. and Ph.D. thesis defense, Civil Eng. Dept., SU, (1995-2000)
- 2) Juror, M. Sc. and Ph.D. thesis, Civil Eng. Dept., ITU, (2001-)
- 3) Evaluating EU and TUBITAK (aka; Turkish NSF) project proposals
- 4) Evaluator - ESA Earth Observatory R&D Section (<http://eopi.esa.int/>)
- 5) Faculty Advisor – School of Engineering, AUD, (2004-2006)
- 6) Session Chair in many national and international conferences
- 7) Speaker on national TV channels (i.e., TRT2, Medical Channel, News Turk, Kon TV, Channel 24)

COURSES LECTURED

Undergraduate Level Courses (Lectured in Turkish at SU: 1995-2000)

- Fluid Mechanics
- Hydraulics (Both Civil and Mining Eng. departments)
- Hydrology
- Water Resources Engineering
- Statistics (Both Civil and Industrial Eng. departments)
- Senior Design Project

Graduate Level Courses (Lectured in Turkish at SU: 1995-2000)

- Open Channel Hydraulics
- Stochastic Modeling in Hydrology
- Hydrological Systems Analysis
- Advanced Hydrology

Undergraduate Level Courses (Lectured in English at ITU: 2001-present)

- Water Resources
- Hydrology
- Probability and Statistics
- Senior Design Project
- Fluid Mechanics
- Hydraulics

Graduate Level Courses (Lectured in English at ITU: 2002-present)

- Hydroclimatology (doctorate-level)

Undergraduate Level Courses (Lectured in English at American University in Dubai (AUD): 2004-2006)

- Environmental Engineering
- Hydrology
- Dynamics
- Statics

- Fluid Mechanics
- Coastal Engineering
- Geomatics
- Senior Design Project

Undergraduate Level Courses (Lectured in English at American University of Sharjah (AUS): 2008-2010)

- Water Resources Engineering
- Capstone Design Project
- Fluid Mechanics

DEVELOPED CURRICULUM AND PROGRAM

- *Stochastic Modeling in Hydrology* – Graduate School of Selcuk University (SU), Turkey (1995-2000)
- *Open Channel Hydraulics* – Graduate School of Selcuk University (SU), Turkey (1995-2000)
- “*Coastal Sciences and Engineering Graduate Program*” – Graduate School of ITU, Turkey (2002 -)
- *Hydroclimatology* – Graduate School of ITU, Turkey (2004 -)
- *Coastal Engineering* – Civil Eng Dept. of American University in Dubai (AUD) (2005-2006)
- *Senior Design Project-Coastal Engineering* – Civil Eng Dept. of American University in Dubai (AUD) (2005-2006)

GRADUATE STUDENT ADVISORY ACTIVITIES

M. Sc. Thesis:

- 1) M. Çağatay Karabörk, 1997 (Civil Eng. Dept., SU): Stochastic Modeling of Annual and Monthly Streamflows.
- 2) Naci Büyükkaracığın, 1997 (Civil Eng. Dept., SU): A Comparison of Various Distributions Used in Frequency Analysis, Applying to Annual Peak Series of Konya Basin.
- 3) Nermin Şarlak, 1998 (Civil Eng. Dept., SU): Analysis of Critical Drought with First Order Markov Chain Model.
- 4) Cemal Gürses, 1998 (Civil Eng. Dept., SU): Frequency Analysis of Annual Peak Flows in Konya Basin by L-Moments
- 5) Serdar Kalaycı, 1997 (Civil Eng. Dept., SU): Determination of Water Quality Trends in Streamflows of Susurluk Basin (Honorary Advisor).
- 6) Ömer Köse, 1999 (Civil Eng. Dept., SU): Drought Analysis of Monthly Streamflows in the Konya Basin by Using Poisson Distribution (Honorary Advisor)
- 7) Turgay Partal, 2003 (Civil Eng. Dept., ITU): Trend Analysis of Turkish Precipitation Patterns.
- 8) M. Cüneyd Demirel, 2004 (Civil Eng. Dept., ITU): Cluster Analysis of Streamflow in Turkey.
- 9) Olgay Şen, 2011 Civil Eng. Dept., ITU): Hydrological Regionalization of High and Low Flows

Ph. D. Thesis:

- 1) M. Çağatay Karabörk, 2000 (Civil Eng. Dept., SU): Influences of El Nino and La Nina Events on Streamflows in Turkey [Dr. Karabörk is currently a full professor at Dumlupınar University].
- 2) Serdar Kalaycı, 2003 (Civil Eng. Dept., SU): The Variability Analysis of Turkish Streamflows [Dr. Kalaycı is currently Director of Construction Works at President Place, Ankara].
- 3) Taner M. Cengiz, 2005 (Civil Eng. Dept., ITU): Hydroclimatological Analysis of Lake Levels in Turkey [Dr. Cengiz is currently an assistant professor at Namık Kemal University].
- 4) Ali İhsan Martı, 2006 (Civil Eng. Dept., SU): Streamflow and Precipitation Forecasting Models Based on Their Relationships with the Southern Oscillation. [Dr. Martı is currently an assistant professor at Selçuk University].

- 5) Turgay Partal, 2007 (Civil Eng. Dept., ITU): Forecasting Model of Turkish Precipitation Data Based on Neural Networks and Wavelet Methods (with a co-advisor) [*Dr. Partal is currently an associate professor at Dumlupınar University*].
- 6) Ali Danandeh Mehr, 2016 (İTÜ): Climate Change Impacts on Catchment-Scale Extreme Rainfall Variability [*Dr. A. D. Mehr is currently an assistant professor at Near East University, N. Cyprus*]
- 7) Buğrayhan Biçkici, 2018 (İTÜ): Prediction of Drought Indices Based on Hydroclimatological Data [*Dr. Biçkici is currently a faculty at Medeniyet University*].
- 8) Olgay Şen (İTÜ- thesis defense): Determination of Flood Risk in the Basins of Rize Using Climate and Hydrological Models
- 9) Saeid Vazifehkhah (İTÜ- thesis completing): Drought Monitoring Management
- 10) M. Fatih Demir (İTÜ- thesis): Hydroclimatological Analysis of Potential Evaporation in Turkey
- 11) Hilal Erdem (İTÜ- thesis): Prediction of seasonal precipitation and extreme flow in Turkey based on Maden-Julian Oscillation.
- 12) Sead Ahmed (İTÜ- thesis): Integrated Watershed Modelling using the OpenMI Framework

CONFERENCE ACTIVITIES

- 1) **Invited Speaker:** Symposium on “The World at Risk: Natural Hazards and Climate Change”, MIT, Cambridge, USA, January 14-16, 1992.
- 2) **Invited Speaker:** Workshop on “ENSO and Its Influence on Pacific Rim Streamflow”, UCLA, Los Angeles, USA, November 28 - December 3, 1993.
- 3) **Invited Speaker:** Conference on “Statistical concepts in understanding and modeling hydro-climatic change.” HS41 at EGU General Assembly, (for details: <http://meetings.copernicus.org/egu2007/>), Vienna, Australia 2007.
- 4) **Invited Speaker:** Conference on “Global Climate Change and its Environmental Impacts: Regional and Local Dimensions” Konya/Turkey, October 18-20, 2007.
- 5) **Invited Speaker:** Conference on “Floods, Avalanches, Preservation River Beds” Trabzon, Turkey, August 7-8, 2008.
- 6) **Invited Thinker:** Round Table Discussion on “*Third Festival of Thinkers*” Abu Dhabi, UAE, November 02-04, 2009.
- 7) **Invited Speaker:** Workshop on “ESF-MedCLIVAR Workshop: Hydrological, socioeconomic and ecological impacts of the North Atlantic Oscillation in the Mediterranean region” Zaragoza, Spain, May 24-27, 2010.
- 8) **Speaker:** 16th Annual Climate Diagnostics Workshop, UCLA, Los Angeles, USA, October 28-November 1, 1991.
- 9) **Speaker:** 9th Annual Pacific Climate (PACLIM) Workshop, Asilomar, CA, USA, April 21-24, 1992.
- 10) **Speaker:** 17th Annual Climate Diagnostics Workshop, University of Oklahoma, Norman, USA, October 19-23, 1992.
- 11) **Speaker:** Hydrometeorology Session at American Geophysical Union (AGU) Meeting, San Francisco, USA, Fall 1992
- 12) **Speaker:** International Conference on “Water Problems in Mediterranean Countries”, NEU, Nicosia, North Cyprus, November 17-21, 1997 <Presented two articles>
- 13) **Speaker:** 1st International Workshop on “Environmental Quality and Environmental Engineering in the Middle East Region” Symposium, Konya, Turkey, October 5-7, 1998
- 14) **Speaker:** 1st National Climatology Workshop, Ege University, İzmir, Turkey, April 11-13, 2002 <Co-author of two articles>

- 15) **Speaker:** 3rd International Symposium on AGRO-ENVIRON 2002, Cairo, Egypt, October 26-29, 2002
<Technical Session-3(B) Environment and Climate Change, **Session Chair** and co-author of four articles>
- 16) **Speaker:** XXX IAHR: Water Engineering and Research in Learning Society” Thessalonica, Greece, September 24-29, 2003 <Theme B-Precipitation, **Session Chair** and co-author of four articles>
- 17) **Speaker:** 1st National Dams and Hydro-electrical Power Plants, State Water Works General Directorate, Ankara, Turkey, 1-3 June, 2004 <**Session Chair** and co-author of two articles>
- 18) **Speaker:** AGU Hydrology Days 2007, Colorado State University, Fort Collins, USA March 19-21, 2007
< Co-author of 2 oral and 9 poster papers>
- 19) **Speaker:** III. National Water Engineering Symposium, Gümüldür-İzmir, Turkey, September 10-14, 2007
<**Session Chair** and co-author of one article>

As a Participant:

- 1) Special scientific meeting at *Scripps Institution of Oceanography*, UCSD, La Jolla, CA, USA, 1991.
- 2) Hydrology and Hydrometeorology Sessions at American Geophysical Union (AGU) Meeting, San Francisco, USA, Fall, 1991.
- 3) 2nd National Hydrometeorology Symposium, State Meteorology Works General Directorate, Ankara, December 18-20, 1998 <Co-author of five articles>
- 4) 5th Congress on Advances in Civil Engineering (ACE 2002), Istanbul Technical University, Istanbul, September 25-27, 2002 <**Session Chair** and co-author of three articles>
- 5) 1st National Water Engineering Symposium, DSİ, Gümüldür / İzmir, September 22-26, 2003
<Session 1-Monday, **Session Chair** and co-author of two articles>
- 6) 3rd National Water Engineering Symposium, DSİ, Gümüldür / İzmir, September 10-14, 2007
<Hydrology I: session 1- 22 Monday 11:40-12:40 **Session Chair** and co-author of one article >
- 7) 5th National Water Engineering Symposium, DSİ, Orhantepe / İstanbul, September 12-16, 2011
< Co-author of one article>
- 8) Global Conference on Global Warming-2012 (GCGW-2012), July 8-12, Istanbul, Turkey
< Co-author of one article>

EDITORIAL BOARD MEMBERSHIP IN PEER-REVIEWED JOURNAL

- **Associate Editor:** Journal of Hydrology (Elsevier - SCI) [2009-2017]
- Research Journal of Applied Sciences (Medwell) [2006-]
- Online Journal of Earth Sciences (Medwell) [2006-]
- Journal of Engineering and Applied Sciences (Medwell) [2006-]
- Research Journal of Biological Sciences (Medwell – ISI Thomas Scientific Master List) [2007-]
- Pakistan Journal of Biological Sciences (ANSI – ISI Thomas Scientific Master List) [2007-2009]
- Journal of Applied Sciences (ANSI – ISI Thomas Scientific Master List) [2007-2009]
- Journal of Selçuk University Engineering-Architecture Faculty [1995-2000]

-MOST CITED ARTICLES - LIST

- ◆ 2012-2013: **Rank:** # 1 **Journal:** *Hydrological Processes*, **Article:** Jhajharia, et al. (2012) < paper no: 23 >
- ◆ 2014-2015: **Rank:** #14 **Journal:** *Journal of Hydrology*, **Article:** Dinpashoh, et al. (2011) < paper no: 22 >
- ◆ 2016- : **Rank:** # 7 **Journal:** *Journal of Hydrology*, **Article:** Dinpashoh, et al. (2011) < paper no: 22 >

MISCELLANEOUS ACADEMIC SUCCESSES

- ◆ 2017 June : Google Scholar “2006 CLASSICS IN HYDROLOGY & WATER RESOURCES”
(Partal and Kahya, 2006)
- ◆ 2017 June : İTÜ Best Doctorate Thesis (Dr. Ali D. Mehr) – (Supervised)

REFEERE ACTIVITIES FOR PEER-REVIEWED JOURNAL***“SCI & SCI Exp – ISI Thomas Scientific” Journals***

- ◆ (9) Advances in Engineering Software
- ◆ (1) Annals of Geophysics
- ◆ (1) Arabian Journal of Geosciences
- ◆ (1) Asia-Pacific Journal of Atmospheric Sciences
- ◆ (1) Central European Journal of Geosciences
- ◆ (1) CLEAN- Soil Air Water
- ◆ (2) Climatic Change
- ◆ (4) Fresenius Environmental Bulletin
- ◆ (1) Global and Planetary Change
- ◆ (3) Hydrological Processes
- ◆ (3) Hydrology and Earth System Sciences
- ◆ (1) Hydrology Research
- ◆ (2) Hydrological Sciences Journal
- ◆ (5) International Journal of Climatology
- ◆ (1) Iranian Journal of Science & Technology
- ◆ (3) Irrigation Science
- ◆ (1) Journal of Agricultural Science and Technology
- ◆ (1) Journal of American Water Resources Association
- ◆ (2) Journal of Flood Risk Management
- ◆ (5) Journal of Geophysical Research
- ◆ (1) Journal of Hydroinformatics
- ◆ (17) Journal of Hydrologic Engineering
- ◆ (9) Journal of Hydrology
- ◆ (1) Journal of Scientific Review
- ◆ (2) Natural Hazards
- ◆ (2) Physics and Chemistry of the Earth
- ◆ (2) Proceedings of ICE Journal - Water Management
- ◆ (2) Sadhana/Academy Proceedings in Eng. Science
- ◆ (2) Scientia Iranica Journal
- ◆ (3) Theoretical and Applied Climatology
- ◆ (8) Water and Environment Journal
- ◆ (2) Water Management
- ◆ (1) Water Resources Management (WARM)
- ◆ (4) Water Resources Research
- ◆ (1) Water Science and Technology

“SCI-ISI Thomas Scientific Master List” Journals

- ◆ (11) Journal of Applied Sciences
- ◆ (4) Pakistan Journal of Biological Sciences
- ◆ (1) Research Journal of Environmental Sciences

Toplam: 16***“Other Index” Journals***

- ◆ (1) International Journal of Agricultural Research
- ◆ (1) Online Journal of Earth Sciences
- ◆ (1) Asian Journal of Biochemistry
- ◆ (1) Journal of Biological Sciences

Toplam: 4***“National” Journals***

- ◆ (2) CBÜ Science Journal
- ◆ (1) Türk Mühendislik ve Çevre Bilimleri Dergisi

Toplam: 3 (Revision Review: 1)**Toplam: 105** (Revision Review: 26 included)**CITATION**

- | | | | | |
|----------------------------------|---|--------|---------------|-----------------------|
| ◆ ISI Web of Science | : | > 2000 | | |
| ◆ Researcher ID (Web of Science) | : | 1741 | ◆ h-index: 19 | (ACA: 39.57) |
| ◆ Scopus | : | 1906 | ◆ h-index: 20 | |
| ◆ ResearchGate | : | 2804 | ◆ h-index: 23 | (Reads: 10.243) |
| ◆ Google Scholar | : | 3303 | ◆ h-index: 24 | (i-10: 40 / i-100: 9) |

PUBLICATION**Theses:**

- 1) Kahya, E., 1984: Design of Steel Structures. B.Sc. Senior Project, Istanbul Technical University, Istanbul, Turkey
- 2) Kahya, E., 1987: Reservoir Operating Rules Generated by Stochastic Optimization. M.Sc. Project, Polytechnic University, New York, USA
- 3) Kahya, E., 1993: United States Streamflow Patterns in Relation to the Extreme Phases of the Southern Oscillation. Ph.D. Thesis, University of California, Los Angeles, USA

Book Chapters:

- 1) Kahya, E., 2011: *Impacts of the NAO on the Hydrology of the Eastern Mediterranean* in “Hydrological, Socioeconomic and Ecological Impacts of the North Atlantic Oscillation in the Mediterranean Region”, Eds: S. M. Vicente-Serrano and R. M. Trigo. *Advances in Global Change Research*, Vol. 46, p 57-71, Springer. 1st Edition., 2011, VIII, 236 p., DOI: 10.1007/978-94-007-1372-7.

Journal Papers:***SCI Papers:***

- 1) Kahya, E. and J. A. Dracup, 1993: U.S. Streamflow Patterns in Relation to the El Nino/Southern Oscillation. *Water Resources Research*, Vol. 29, No 8, 2491-2503.
- 2) Dracup, J. A. and E. Kahya, 1994: The Relationships Between U.S. Streamflow and La Nina Events. *Water Resources Research*, Vol. 30, No 7, 2133-2141.
- 3) Kahya, E. and J. A. Dracup, 1994: The Influences of Type I ENSO and La Nina Events on Streamflows in the Southwestern United States. *Journal of Climate*, Vol. 7, No 6, 965-976.
- 4) Kahya, E. and M.Ç. Karabörk, 2001: The Analysis of El Nino and La Nina Signals in Streamflows of Turkey. *International Journal of Climatology*, Vol. 21, No 10, 1231-1250.
- 5) Karabörk, M. Ç. and E. Kahya, 2003: The Teleconnections Between the Extreme Phases of the Southern Oscillation and Precipitation Patterns over Turkey. *International Journal of Climatology*, Vol. 23, No 13, 1607-1625.
- 6) Kahya, E. and S. Kalaycı, 2004: Trend Analysis of Streamflow in Turkey. *Journal of Hydrology*, Vol. 289, 128-144.
- 7) Kalaycı, S., M.Ç. Karabörk and E. Kahya, 2004: Analysis of El Nino Signals on Turkish Streamflow and Precipitation Patterns Using Spectral Analysis. *Fresenius Environmental Bulletin*, Vol. 13, No 8, 719-725.
- 8) Karabörk, M. Ç., E. Kahya and M. Karaca, 2005: The Influences of the Southern and North Atlantic Oscillations on Climate Surface Variables in Turkey. *Hydrological Processes*, Vol. 19, No 6, 1185-1211
- 9) Kalaycı, S. and E. Kahya, 2006: Assessment of Streamflow Variability Modes in Turkey: 1964-1994. *Journal of Hydrology*, Vol. 324, 163-177
- 10) Partal, T. and E. Kahya, 2006: Trend Analysis in Turkish Precipitation Data. *Hydrological Processes*, Vol. 20, No 9, 2011-2026.
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